

CLAIMS

What is claimed is:

1. A fan mounting baffle apparatus for cooling electronics components,
comprising:
 - 5 an upper bracket;
 - a lower bracket defining a plurality of bracket mounting openings to
cooperate with base mounting openings defined in a mounting base to which electronics
components are attached, the bracket mounting openings being configured for a flexible
securing material to extend through the bracket mounting openings from the base
 - 10 mounting openings, the upper and lower brackets being configured to receive at least one
fan therebetween; and
 - a baffle portion extending between the upper bracket and the lower bracket
and defining at least one fan opening to cooperate with the fan for airflow to pass through
the baffle portion via the opening.
- 15 2. The apparatus of claim 1, further comprising the flexible securing material
configured to extend through the base mounting openings of the mounting base and the
bracket mounting openings of the lower bracket to secure the lower bracket to the
mounting base.
- 20 3. The apparatus of claim 1, wherein the flexible securing material is further
configured to secure the fan to the mounting base.

4. The apparatus of claim 1, wherein the flexible securing material is a first hook and loop material.

5. The apparatus of claim 4, further comprising a second hook and loop material secured to an underside of the upper bracket, the second hook and loop material
5 being configured to cooperate with the first hook and loop material to secure the upper bracket to the fan.

6. The apparatus of claim 1, wherein the upper bracket includes a lip extending toward the lower bracket.

7. The apparatus of claim 1, wherein the lower bracket includes a lip extending
10 toward the upper bracket.

8. The apparatus of claim 1, wherein the lower bracket defines an indentation on an underside of the lower bracket, the indentation being configured to cooperate with a projection defined in the mounting base.

9. The apparatus of claim 1, further comprising the fan secured between the
15 upper and lower brackets, the fan having two plates and a recessed region between the two plates, the recessed region being configured to receive the flexible securing material therein.

10. The apparatus of claim 1, wherein the flexible securing material is configured to wrap around the fan and to be secured to itself so as to secure the fan between the upper and lower brackets.

11. An electronics components cooling system, comprising:

5 a plurality of fans;

a baffle for mounting the fans therein, the baffle comprising an upper bracket, a lower bracket and a baffle portion extending between the upper and lower brackets, the upper and lower brackets being configured to receive the fans therebetween, the baffle portion defining a plurality of fan openings each corresponding to and to

10 cooperate with one of the plurality of fans for airflow to pass through the baffle portion via the fan opening, the baffle being configured to be secured to a mounting base to which electronics components are attached; and

a flexible securing material for each of the plurality of fans, each flexible securing material being configured to wrap around a perimeter of the fan to secure the

15 corresponding fan to the mounting base.

12. The cooling system of claim 11, wherein the lower bracket defines a plurality of bracket mounting openings to cooperate with base mounting openings defined in the mounting base, the openings being configured for the flexible securing material to extend through the bracket mounting openings from the base mounting

20 openings.

13. The cooling system of claim 12, wherein the flexible securing material is configured to extend through the base mounting openings of the mounting base and the bracket mounting openings of the lower bracket to secure the lower bracket to the mounting base.

5 14. The cooling system of claim 11, wherein the flexible securing material is a first hook and loop material.

15 15. The cooling system of claim 14, further comprising a second hook and loop material secured to an underside of the upper bracket, the second hook and loop material being configured to cooperate with the first hook and loop material to secure the upper
10 bracket to the fan.

16. The cooling system of claim 11, wherein the upper bracket includes a lip extending toward the lower bracket.

17. The cooling system of claim 11, wherein the lower bracket includes a lip extending toward the upper bracket.

15 18. The cooling system of claim 11, wherein the lower bracket defines an indentation on an underside of the lower bracket, the indentation being configured to cooperate with a projection defined in the mounting base.

19. The cooling system of claim 11, wherein the fan has two plates and a recessed region between the two plates, the recessed region being configured to receive the flexible securing material therein.

20. The cooling system of claim 11, wherein the flexible securing material is
5 configured to wrap around the fan and to be secured to itself so as to secure the fan between the upper and lower brackets.